

Albert Kim

Computational Environmental Physics

CONTACT INFORMATION

- Address: Civil and Environmental Engineering, University of Hawaii at Manoa, 2540 Dole street Holmes 383, Honolulu, Hawaii 96822 U.S.A.
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EDUCATION

- Doctor of Philosophy in Civil Engineering (1997–2000)
 - Civil and Environmental Engineering, University of California at Los Angeles, Los Angeles, CA, USA
 - Thesis Title: Dynamics of Particle Aggregation at Engineered and Natural Interfaces
 - Co-advisers: Prof. Keith D. Stolzenbach and Prof. Menachem Elimelech (currently at Yale)
- Master of Science in Civil Engineering (1996–1997)
 - Civil and Environmental Engineering, University of California at Los Angeles, Los Angeles, CA, USA
 - Emphasis in Environmental Engineering
- Master of Science in Physics (1992–1994)
 - Physics, Yonsei University, Korea (emphasis in Theoretical Condensed Matter and Statistical Physics)
 - Thesis Title: Monte Carlo Study of Magnetic Property in Polyacetylene
- Bachelor of Science in Physics (1987–1991)
 - Kyung Hee University, Korea (Graduated with honor)

ACADEMIC EXPERIENCE

- Department of Civil and Environmental Engineering, University of Hawaii at Manoa
 - Graduate Chair (August 2020–Present)
 - Full Professor (August 2019–Present)
 - Associate Professor (August 2006–July 2019)
 - Assistant Professor (August 2001–July 2006)
- Water Resources Research Center, University of Hawaii at Manoa, Honolulu, Hawaii USA
 - Research Associate (August 2012–Present)
- Civil and Environmental Engineering, the University of California, Los Angeles, CA USA
 - Instructor (Winter Quarter, January 2001–April 2001)
- Institute of the Environment, the University of California, Los Angeles, CA USA
 - Postdoctoral Researcher (April 2000–June 2001)
- Civil and Environmental Engineering, the University of California, Los Angeles, CA USA
 - Graduate Research Assistant (July 1998–March 2000)
 - University of California Regent Scholar (July 1997–June 1998)
- Natural Science Research Institute, Yonsei University, South Korea
 - Researcher (March 1994–July 1995)

AWARDS

- University of Hawaii Regents' Medal for Excellence in Teaching (2017)

- 10 Years of Service Award, Department of Civil and Environmental Engineering, UH Manoa (2011)
- Researcher of the Month from High Performance Computing at University of Hawaii (March 2007)
- University of Hawaii Regents' Medal for Excellence in Research (2006)
- National Science Foundation Faculty Early Career (CAREER) Award (2005–2010)
- Certificate of Merit Award for Oral Presentation at the 228th American Chemical Society National Meeting (2004)
- Outstanding Service Award, North American Membrane Society Annual Meeting (2004)
- Dissertation Year Fellowship from the Department of Civil and Environmental Engineering, University of California at Los Angeles (1999–2000)
- Graduate Student Fellowship from the Department of Civil and Environmental Engineering, University of California at Los Angeles (1998–2000)
- University of California Regent Scholarship (1997–1998)

HONORS AND RECOGNITION

Faculty

- Invited Professor, Korea Research Institute of Ships and Ocean Engineering, Fall, 2014.
- University of Hawaii at Manoa Faculty Senate, Fall, 2012–Spring, 2014.
- UH Manoa Faculty Senate Member of Committee of Graduate Research and Education, 2012–2014.
- 2000 Outstanding Intellectuals of the 21st Century, *International Biographical Center*, UK, 2010–Present
- International Scholar, Dept. of Chemical Engineering, Kyung Hee University, Korea, 2009–2011.
- Nature Review Panelist (2008–2011)
- Visiting Professor, Rice University (2008)
- Editorial Board for Journal of Membrane and Separation Technology, 2016–Present.
- Editorial Board for Computer Applications in Engineering Education as an associated Editor in the Civil Engineering technical area
- Editorial Board for Journal of Environmental Engineering and Ecological Science
- Editorial Advisory Board Recent Patents on Chemical Engineering
- Editorial Board for ASCE Journal of Energy Engineering (2007–2011)
- Listed in Strathmore's WHO'S WHO (2002–Present)

Student Awards

- Tyler Tsuchida, MS Plan A candidate, the 2019 American Council of Engineering Companies, Life Health Trust (LHT) Scholarship as one of 8 distinct awards (2019).
- Siu Fung Tang, the XE Bertram Tallamy Scholarship by Chi Epsilon National (2019).
- Lelemia Irvine, PhD candidate, First place poster award in the Pacific Water conference, Feb. 7–8, 2018, Honolulu, Hawaii, Title: A CFD study: Performance estimation of transport phenomena in a biofiltration process using OpenFOAM.
- Shelby Fillingier, MS CEE student, Second place poster award, American Water Works Association, Hawaii Meeting, Feb. 7–8, 2018, Honolulu, Hawaii, Title: Can we model root water uptake phenomena in biofiltration swales?
- Lelemia Joshua Irvine, The Kohala Center awards for Hawaiian Scholars' Doctoral Fellowships (2017–2018). Ph.D. Candidate in Fall 2018.
- Lelemia Joshua Irvine, Graduate Poster Presentation Award, Honorable Mentions, American Indian Science and Engineering Society (AISES), 2017 National Conference, Denver, CO, Sep. 21–23, 2017.
- Lelemia Joshua Irvine, Frances Davis Award for Excellence in Undergraduate Teaching for a Graduate Assistant (2013), Teaching Assistant of CEE 271 (2011 Spring and 2012 Spring)